

CLAIMS

WHAT IS CLAIMED IS:

- 1 1. A method for secure data transfer in a wireless networked
2 communication system, comprising the steps of:
3 generating an encryption key within a first device of the
4 communication system;
5 encoding the encryption key to form an encoded signal;
6 transmitting the encoded signal to a second device of the
7 communication system remote from the first device;
8 decoding the encoded signal at the second device to extract the
9 encryption key; and
10 using the encryption key to encrypt and decrypt data for subsequent
11 wireless transmissions between the first and second devices.
- 1 2. The method of claim 1, wherein the encoded signal is an acoustic
2 signal.
- 1 3. The method of claim 2, wherein the acoustic signal is DTMF tones.
- 1 4. The method of claim 1, wherein the encoded signal is an infrared
2 signal.
- 1 5. The method of claim 1, wherein the step of decoding further
2 comprises the step of storing the decoded encryption key in memory.
- 1 6. The method of claim 1, wherein the step of decoding further
2 comprises the step of performing error detection to determine if an error has
3 occurred in connection with the reception or decoding of the encryption key.



- 1
- 2

- 1
- 2

- 1
- 2

$$\begin{matrix} 1 \\ 2 \end{matrix}$$

- 1
- 2
- 3

$$\begin{matrix} 1 \\ 2 \end{matrix}$$

- 1
- 2
- 3

- 1
- 2
- 3
- 4
- 5

RECEIVED